

038 - DATA SYSTEMS DEVELOPMENT PROJECTS

Operational Summary

Agency Description:

This budget unit funds major County Information Systems development efforts, significant system upgrades and ongoing operations and maintenance of the CAPS system. Projects are recommended on the basis of providing cost reduction or avoidance, improving service levels and utilizing non-County general funding sources.

At a Glance:

Total FY 2000-2001 Actual Expenditure + Encumbrance:	12,750,504
Total Final FY 2001-2002 Budget:	17,001,781
Percent of County General Fund:	0.78%
Total Employees:	0.00

Fiscal Year 2000-01 Key Project Accomplishments:

- Continued expansion of information available on the Data Warehouse.
- HR Records Imaging Project expanded.
- ATM Network expanded.
- IT outsourcing contract successfully bid and implemented.
- Telephone switches upgraded to provide enhanced services.
- Initiated replacement of voice mail system.
- Expanded implementation of web-based VTI Timesheet Project.
- Electronic Records Management Project initiated.

Budget Summary

Changes Included in the Base Budget:

See project matrix for FY 01-02 project submittals.

Final Budget and History:

Sources and Uses	FY 1999-2000 Actual Exp/Rev ⁽¹⁾	FY 2000-2001 Final Budget	FY 2000-2001 Actual Exp/Rev ⁽¹⁾	FY 2001-2002 Final Budget	Change from FY 2000-2001 Actual	
					Amount	Percent
Total Revenues	453,403	0	0	0	0	0
Total Requirements	9,397,064	8,693,021	12,307,152	17,001,781	4,694,629	38
Net County Cost	8,943,661	8,693,021	12,307,152	17,001,781	4,694,629	38

(1) Amounts include prior year expenditures and exclude current year encumbrances. Therefore, the totals listed above may not match Total FY 2000-01 Actual

Expenditure + Encumbrance included in the "At a Glance" section.

Detailed budget by expense category and by activity is presented for agency: DATA SYSTEMS DEVELOPMENT PROJECTS in the Appendix on page 544.

Highlights of Key Trends:

- In FY 01/02, major County Information System development efforts continue to be funded while meeting the 2001 Strategic Financial Plan Net County Cost Target. These include:
 - Continued expansion of the ATM High Speed Network.
 - Accelerated use of web-based eBusiness applications on the Internet and Intranet.
- Increased use of data warehousing technology to integrate data from diverse systems.
- Improved access to data and documents using electronic Document Management tools.
- Migration of legacy systems to new database to improve access to information.
- Upgrade of legacy systems to new versions that provide easy to use web browser access.



FY 2001-2002 Information Systems (Fund 038) Final Budget Recommendations

Project Number	Agency 038 Organization	Title of Request	Department Requested Amount	CEO Recommended Amounts					Recommendations/Comments	
				Fund 038 Budget			Funded in Agency Budget			Total
				County General Amount	Other Revenue		Amount	Agency/Source		
					Amount	Source				
COUNTYWIDE SUPPORT PROJECTS										
1	955	CAPS Operations and Maintenance Budget	7,596,800	7,596,800	0		0	7,596,800	Approve - Annual operation and maintenance costs for countywide budgeting, accounting, purchasing, human resources and payroll system.	
2	200	User Training, Documentation & Support	721,100	721,100	0		0	721,100	Approve - Designed to leverage the County's investment in its CAPS Financial, Purchasing and Human Resources systems by implementing advanced user-interface features and providing training for County employees in their use.	
3	201	Advantage 4.0 Upgrade	1,500,000	1,500,000	0		0	1,500,000	Approve - Upgrades the CAPS Financial, Purchasing and Human Resources systems to the next generation 4.0 product. Upgrade includes a re-architected system that will run on a relational database, has a browser-driven user interface and is Inter/Intranet based. Upgrade will also include various functional enhancements.	
4	428	CAPS Electronic Report Management (ERM) Implementation	196,300	196,300	0		0	196,300	Approve - Implements improved report functionality of the CAPS system, including Web access, elimination of hardcopy reports and microfiche (through COLD/DVD imaging technology), as well as data mining capabilities.	
5	N/A	CAPS Disaster Recovery	230,600	0	0		0	0	Defer Until Feasibility Study Completed - Feasibility study will be completed in FY 01/02. Project is designed to study and establish a contract for a Disaster Recovery Hot Site, establishment of a communication facility and testing. This includes identification of a destination to temporarily relocate information processing capabilities immediately following a disaster. In response to a recommendation from the County's outside auditors, the Audit Oversight Committee recommended that consultant services be budgeted in FY 99/00 to study this issue.	
6	101	Wireless Communications Network	1,200,000	1,200,000	0		0	1,200,000	Approve - Will facilitate computer access for workers in field operations. Potential users include Real Property Appraisers, Building Inspectors, Social Workers, Probation Officers etc. In FY 01/02, plan to implement pilot project in Data Services. Will investigate expansion Countywide based upon success of pilot.	
7	202	Network Security Assessment	300,000	300,000	0		0	300,000	Approve - Operational assessment of the County's WANLANs including penetration testing. Will insure County's networks are secure. Will eventually involve participation by all County departments.	



FY 2001-2002 Information Systems (Fund 038) Final Budget Recommendations (Continued)

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8	107	Middleware to Allow Secure Web Access to IBM Mainframe Databases	200,000	200,000	0		0		200,000	Approve - Project will allow secure public access to County department Internet applications. Project is proposed to prepare the County for e-business to serve constituents.
9	203	Biometric Security Access	100,000	100,000	0		0		100,000	Approve - Will study feasibility of biometrics technology to enhance security of County information systems. Includes use of fingerprint imaging, retinal scans, and/or voice maps to authenticate users and include pilot project in the Hall of Administration.
10	103	Enterprise Optical Imaging & Electronic Document Management (EDM)	400,000	400,000	0		0		400,000	Approve - Will provide support for expanded and enhanced implementation of Enterprise licensing for optical imaging and EDM. This technology is designed to eliminate paper forms processing utilizing an integrated suite of software that includes imaging, workflow and Computer Output to Laser Disk (COLD). Enterprise licensing allows additional County agencies and departments access to this technology at a low cost.
11	N/A	Laser Printer Replacement	105,987	0	0		105,987	Fund 289 - Information & Technology ISF	105,987	Approve - Replaces Data Center printer purchased in 1987 to print County checks. Replacement will update functionality, increase reliability and reduce costly repairs.
12	N/A	ATM High Speed Network Expansion	500,000	0	0		500,000	Fund 289 Information & Technology ISF	500,000	Approve - Adds additional sites to the existing ATM network to further goal of delivering data, including audio and video, to all County agency/departments. Focus this fiscal year is to reduce on-going network costs and to allow departments greater flexibility through video conferencing and facilitation of large file transfers.
13	N/A	Replace Uninterruptable Power Supply (UPS) Battery Back-up System	227,200	0	0		227,200	Fund 289 - Information & Technology ISF	227,200	Approve - Installation of replacement battery equipment which will provide additional level of back-up to the UPS system. It will also allow performance of routine preventative maintenance without shutting down the Data Center or running without an UPS safety net. Current batteries are approaching the end of their useful life cycle.



FY 2001-2002 Information Systems (Fund 038) Final Budget Recommendations (Continued)

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14	N/A	Technology Upgrade for IBM Mainframe	1,700,000	0	0	0		0	Defer until FY 02/03 - Anticipate that utilization of additional capacity and functionality of upgrade will not be required until next fiscal year. Proposal to purchase a used IBM R36 mainframe computer. County Data Center currently performs mainframe processing on an older IBM system that does not offer many of the newer products available on later models. The R36 represents the least expensive unit that allows usage of these newer products and will significantly increase the capacity of the mainframe to meet the County's expanding needs, such as imaging technology.	
15	N/A	Lease New Disk Storage System	585,879	0	0	585,879	Fund 289 - Information & Technology ISF	585,879	Approve - Proposal to lease new technology IBM compatible disk storage system. System will provide sustained capacity to meet the growing storage needs of County departments at the Data Center and will allow needed technology refresh. Will also provide short-term storage requirements for the Assessment Tax System (ATS) resulting from conversion of Datacom DB to DB2.	
16	N/A	Disaster Recovery	622,000	0	0	0		0	Defer, Investigate Funding in ISF 289 in FY 02/03 - Project is designed to study and establish a contract for a Disaster Recovery Hot Site, establishment of a communication facility and testing. This includes identification of a destination to temporarily relocate information processing capabilities immediately following a disaster. A new contract position would be employed on a full-time basis through the LMIMS contract to coordinate these efforts.	
17	204	On-line Training Enrollment	175,000	175,000	0	0		175,000	Approve - Will allow County employees to self-enroll in training classes using the Intranet. System will also be used to keep a historical record of employee training.	
18	205	Expansion of Human Resources Web Services	300,000	300,000	0	0		300,000	Approve - CEO/HR implemented Virtual Job Application - Phase I in FY 00/01. Proposed added features in FY 01/02 include on-line self-testing by applicants and various enhancements to the recruitment process.	
19	421	Data Warehouse Web Redesign	300,000	300,000	0	0		300,000	Approve - Continues effort begun in FY 97/98 to provide improved access to CAPS data through the County's Intranet. Historically, this project focused on increasing access of information by County staff. For FY 01/02, efforts will be directed to increasing public access to County services and information through the County's Web site.	

FY 2001-2002 Information Systems (Fund 038) Final Budget Recommendations (Continued)

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20	N/A	Benefits Administration Outsourcing with Interactive Voice Response (IVR) & Web Access	1,200,000	0	0		1,200,000	Fund 291 - Unemployment ISF	1,200,000	Approve - Provides total outsourcing of the County's employee benefits administration. Added features will include access to services through IVR and Web technology.
ASSESSMENT TAX SYSTEM										
21	111	Ideal DB2 Conversion for the Assessment Tax System (ATS)	2,667,954	2,667,954	0		0		2,667,954	Approve - This request represents a multi-year joint request by the Assessor, Auditor-Controller, Treasurer-Tax Collector and the Clerk of the Board. Post-implementation enhancements to the ATS were identified as a Strategic Priority in the County's 2001 Strategic Financial Plan. This request represents the first phase of this process.
ASSESSOR										
22	108	Geo-Information System Utilization	200,000	0	0		0		0	Defer pending completion of Cost/Benefit Analysis - Represents a \$300K multi-year project. Initial phase of project approved in FY 00-01. Continued funding of project was contingent upon completion of cost/benefit analysis. Project develops a new department Geographic Information System (GIS) application, and links this to a Countywide parcel-based GIS maintained by the County Surveyor and the Assessment Tax System (ATS). Designed to replace existing department Computer Aided Design (CAD) system that lacks the functionality of the newer, more robust GIS technology.
COUNTY EXECUTIVE OFFICE										
23	N/A	CEO/IT PC Upgrade	158,981	0	0		158,981	Fund 289 - Information & Technology ISF	158,981	Approve - Required to replace and/or upgrade PC hardware & software for approximately one-third of the PCs used at the Data Center. It is the departments goal to replace all PCs triennially.
24	206	CEO/HOA Network Upgrade	150,000	100,000	0		0		100,000	Approve at Reduced Funding Level - Includes purchase of new equipment and software for the Hall of Administration network. This network serves the Board offices, the CEO and various other occupants of the HOA.
COMMUNITY SERVICES AGENCY										





FY 2001-2002 Information Systems (Fund 038) Final Budget Recommendations (Continued)

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					Amount	Source				
25	207	Senior Resource Hotline - Phase II	300,000	300,000	0		0		300,000	Approve - Includes design and development of phase II of an Information Referral system for Orange County's seniors and their families. System will be administered by CSA's Areawide Agency on Aging (AAA), and will potentially interface with related services offered by the County's Health Care Agency, Housing & Community Development and the Social Services Agency. The system will also have the capacity to link with other services providers on the Internet. CSA will pursue Title III E funding, which may partially offset the NCC associated with this project.
COUNTY COUNSEL										
26	208	Imaging of Bankruptcy Files	150,000	0	0		0		0	Approve - Funding included as part of Project #10 above (EDM). Includes imaging of the County's Bankruptcy files to meet Court mandates and improve public service. The Court has designated the County as the official custodian of these files. As such, files must remain available to the public. Imaging of the documents will allow them to be available on the Internet, representing a public service and a cost savings to the County when compared to current distribution methods and storage requirements.
DISTRICT ATTORNEY										
27	N/A	Witness Management System Implementation and Integration with Case Management System	861,750	0	0		861,750	Prop. 172 Funds	861,750	Approve - Represents rebudget of FY 00-01 project. Project can not be implemented until Case Management System is acquired. Implementation of Witness Management System is designed to improve automated and manual procedures used to subpoena police officers as witnesses in criminal cases. Integration of Witness Management System with Case Management System will result in cost savings and improve coordination among those involved in subpoena process.
28	N/A	Orange County Integrated Criminal Justice System (OCJIS)	500,000	0	0		500,000	Grant Funding	500,000	Approve - A current study, initiated by city police departments and the County Sheriff, is being conducted by Deloitte & Touche and will issue recommendations regarding improving the flow of information between police, Sheriff, DA and the Courts. These recommendations will help in the design of a OCJIS. This request is to fund the DA's role in this process. Grant funding is being pursued for this project. If this fails, Prop. 172 funding will be used.

FY 2001-2002 Information Systems (Fund 038) Final Budget Recommendations (Continued)

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29	N/A	Family Support Division - PC Replacement	625,000	0	0	625,000	66% State & 34% Incentive Funds Reimbursement	625,000	Approve - Replaces outdated personal computers. Department's plan historically was to replace PCs every 3 years (purchasing new PCs for 1/3 of department on a phased annual cycle). Current proposal is to lease new PCs for entire department for 3 years, resulting in significant cost savings.	
HEALTH CARE AGENCY										
30	N/A	Animal Care Remote Wireless Field Computing	250,000	0	0	250,000	Agency 042 - Offset by fees & revenue from city participants	250,000	Approve - Will provide remote wireless computing capability for Animal Care field officers and canvassers.	
INTEGRATED WASTE MGMT DEPT ENTERPRISE										
31	N/A	Landfill Information Systems Technology Study (LISTS) - Phase II	450,000	0	0	450,000	Fund 299 - IWMD Enterprise Fund	450,000	Approve - Consultant study begun in FY 00/01 will develop multi-year Master Technology Plan that will provide state-of-the-art landfill system. This study will recommend specific related hardware and software systems for FY 01/02.	
32	N/A	Records Management	250,000	0	0	250,000	Fund 299 - IWMD Enterprise Fund	250,000	Approve - Represents re-budget of FY 99/00 project. Requested project will implement an imaging system for IWMD's central files of environmental regulatory and legal documents. Automating the document storage system will reduce required storage space, and provide enhanced records control.	
PLANNING & DEVELOPMENT SERVICES										
33	N/A	Automated Permitting & Planning System (APPS) Phases III & IV	3,229,456	0	0	3,229,456	Fund 113 - Building & Safety	3,229,456	Approve - Requests continued funding of APPS. Phases II & III of a project approved in FY 00/01. Replaces existing DOS-based Permit Issuance & Tracking system with paperless and Internet-enabled application. Upgrades includes Web enabled technology, electronic commerce, barcode tracking, digital signatures, link to State Contractors Certification Board, mobile wireless applications, Geographic Information System (GIS) interface and document imaging. This project is supported by the development community.	

PROBATION





FY 2001-2002 Information Systems (Fund 038) Final Budget Recommendations (Continued)

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34	209	Adult Intake System	444,627	444,627	0		0		444,627	Approve - Project proposes to automate the current paper-based court referral process and integrates associated department functions involved in this process. Will also assist department in anticipated workload stemming from Proposition 36. Funding is requested for first phase of project (total project cost is estimated at \$864,867).
PUBLIC DEFENDER										
35	210	Extensive Case Management System Development	1,260,000	500,000	0		0		500,000	Approve at Reduced Funding Level - This represents Phase I of a \$1.3 million multi-year project. System will completely integrate all case management activities, and includes expanded automation of department functions, imaging technology and Web upgrades. System will result in decreased operational costs and increased efficiencies, public service and system security.
PUBLIC FACILITIES & RESOURCES										
36	N/A	Utility Billing Management System	185,300	0	0		185,300	Agencies 040,080,106,108,115,148,400,404,405,458,459 & 477	185,300	Approve - Develops a single entry system to allow exchange of utility billing information. Currently, two applications (one maintained by the Auditor-Controller and one by PF&RD) process over 1,100 utility invoices for the County. New system will facilitate usage forecasting, budgeting and rate setting; will introduce efficiencies and help prevent late fee charges.
37	N/A	PF&RD E-Commerce Framework	400,000	0	0		400,000	Agencies 080,115,400 & 405	400,000	Approve - Funds a study to Develop an e-business solution to provide survey and engineering data to PF&RD customers. Implementation will provide 24 hour on-line access and is anticipated to significantly reduce traffic to their public counter from other jurisdictions and the general public. Cost savings are also anticipated. Project will serve as a pilot project for other e-business/e-government solutions.
38	N/A	Windows 2000 Migration	820,545	0	0		820,545	PFRD Administered Funds	820,545	Approve - Will assess, plan and deploy hardware and software to implement a Windows 2000 operating system, with Active Directory, as an upgrade to the department's current Windows NT network environment.
39	N/A	Document Imaging System - Phase III	500,000	0	0		500,000	PFRD Administered Funds	500,000	Approve - Continues implementation of Department's Electronic Data Management Systems (EDMS). This phase focuses on implementation of document imaging. PF&RD plans to use WebRecs technology (proposed County imaging standard currently being implemented by CIO in pilot study).

FY 2001-2002 Information Systems (Fund 038) Final Budget Recommendations (Continued)

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					Amount	Source					
SHERIFF-CORONER											
40	N/A	Mobile Data Computer (MDC)	9,000,000	0	0	0			0	Defer Pending Identification of Funding Source - Uses digital terminal and Global Positioning System (GPS) technology to dispatch patrol units. Project will increase officer safety, improve response times, provide secure dispatch communications, eliminate unnecessary voice radio traffic and will allow quick data recall, and ability to send & receive documents and images over the air. Backbone system may be used by other departments (including non-public safety).	
41	N/A	Statistical Tracking & Evaluation System	300,000	0	0	300,000	Inmate Welfare Fund		300,000	Approve - Represents re-budget of FY 00/01 project, which will facilitate tracking of inmate participation in Sheriff/Correctional programs, including continued participation after release into the community. Program will also track rates of recidivism and time between incarcerations.	
42	N/A	Food Services Computer Network	151,000	0	0	151,000	Agency 060		151,000	Approve - As funding will involve Departmental NCC, approval contingent upon absorbing within existing Sheriff/Coroner NCC Target. Represents re-budget of FY 00/01 project which will provide necessary hardware & software to allow Sheriff/Food Services to network with its various facilities. Project implementation will enhance coordination among locations, enable need forecasts, improved functionality and financial accountability of Food Services.	
43	211	Design & Implementation of Budget Preparation & Tracking System	250,000	0	0	0			0	Deny - Project is unnecessary as entire County will migrate to BRASS at same time. Money for this project is already accounted for in the 2001 SFP and is also included in project # 3 above (Advantage 4.0 Upgrade). Project will plan for the migration of the existing Sheriff's Tracking & Appropriation Revenue (STAR) system to the Budget Reporting & Analysis Support System (BRASS). BRASS will become the County budgeting application standard for all agencies & departments beginning FY 02/03.	
44	N/A	FAC OPS PC Workstation Replacement	65,000	0	0	65,000	Agency 060		65,000	N/A: Project is Under 100K - Department needs to prioritize within its departmental NCC Target. Project replaces existing, and adds new PC workstations at Sheriff Facilities Operations.	





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45	N/A	Sheriff Automated Report Payroll System (SHARPS)	600,000	0	0	600,000	Fund 14B	600,000	Approve - Upgrades Sheriff payroll system originally implemented in 1984. System is designed to handle increased number of employees, will make system compatible with County payroll system (AHRS) and add efficiencies and accuracy when compared to existing payroll system.	
SOCIAL SERVICES AGENCY										
46	N/A	CDS/GIS Operational Data Store	764,500	0	0	764,500	88% State/Federal & 12% Departmental NCC	764,500	Approve - Project will provide Department program, operational and research staff with direct access with WCDS/GIS client data for analysis and reporting purposes. Project will replace manual procedures and help County avoid State funding reductions by not meeting reporting deadlines.	
47	N/A	Network Infrastructure Upgrades	787,242	0	0	787,242	88% State/Federal & 12% Departmental NCC	787,242	Approve - Expands existing SSA and Children's Services networks to provide increased bandwidth and support to meet current and future system requirements, including SMART, CALWIN and expansion of the CWS/CMS network.	
48	N/A	Services Management & Resources Tracking System (SMART) Phase III	3,012,290	0	0	3,012,290	State CALWORKS Funding	3,012,290	Approve - System is mandated & funded by the State, and is designed to improve and coordinate service delivery and prevent fraud in various public assistance programs. Phase III will begin the development of automated interface with external partners outside of SSA. Project carried-over to FY 01/02 from FY 00/01 due to other priorities.	
49	N/A	Adult Protective Services System	365,280	0	0	365,280	Agency 063 (88% State & Federal, 12% Department NCC)	365,280	Approve - Project is designed to automate the operations for the Adult Protective Services (APS) Division. System will allow the input of calls to be automatically moved to a case file, provide case tracking, determine eligibility, and provide State mandated statistical and managerial reports. Project carried-over to FY 01/02 from FY 00/01, as department is awaiting additional input from selection committee.	
TREASURER-TAX COLLECTOR										

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50	N/A	Treasury Workstation	500,000	0	0		500,000	Agency 074 - Administrative Expense Ratio Fee	500,000	Approve - Automates operations in the T-TC that are currently completed using a manual spreadsheet driven process. Project will integrate all systems & sources of data that are used in day-to-day functions of cash management, cash flow forecasting, investment trading, investment compliance, investment accounting, fund accounting and bank reconciliation. Represents rebudget of project approved in FY 00/01.
Total			47,359,791	17,001,781	0		17,395,410		34,397,191	

